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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|-------------------------|---------------------|------------------|
| 10/695,494 | 10/28/2003 | Daniel Edward Bowen III | DN2001-163D04 | 8176 |

7590

12/16/2005

The Goodyear Tire & Rubber Company
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EXAMINER

CHOI, LING SIU

ART UNIT

PAPER NUMBER

1713

DATE MAILED: 12/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/695,494

Applicant(s)

BOWEN ET AL.

Examiner

Ling-Siu Choi

Art Unit

1713

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-11 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 12-20 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 08/24/2005.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

1. This Application is a Division of US Application No. 10/222,739, filed August 16, 2002. Claims 1-20 are now pending, wherein claim 1 is an independent one.

Claim Objections

2. Claims 12-20 are objected to because of the following informalities: Claims 12-20, lines 2-3, "at least one of the members selected from the group consisting of R and R' is a hydroxyl group" is suggested to be changed to --at least one of R and R' is a hydroxy group--.

Appropriate correction is required.

Allowable Subject Matter

3. Claims 1-20 are allowable over the closest references: Ender (US 3,287,291) and Nakamura et al. (US 5,973,067).

| |
|--|
| A modified silane compound comprising a structural formulae shown in claim 1 |
|--|

(summary of claim 1)

Ender discloses an organosilicon compound represented by the formula of $\text{Si}[(\text{OCH}_2)_n\text{OCH}_3]_4$ which includes $\text{Si}(\text{OCH}_2\text{OCH}_3)_4$, $\text{Si}[(\text{OCH}_2)_5\text{OC}_4\text{H}_9]_4$, $\text{Si}(\text{OCH}_2\text{OC}_2\text{H}_5)(\text{OCH}_2\text{OCH}_3)(\text{OCH}_2\text{OCH}_2\text{OC}_2\text{H}_5)(\text{OCH}_2\text{OCH}_2\text{OCH}_3)$,

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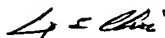
Si(OCH₂OCH₃)[(OCH₂)₃OCH₃] [(OCH₂)₂OCH₃] [(OCH₂)₄OCH₃] (col. 1, lines 15-20; col. 2, lines 14-26). However, Ender does not teach or fairly suggest the claimed modified silane compound.

Nakamura et al. disclose an alkenyltrialkoxysilane which can be allyltrimethoxysilane, allyltriethoxysilane, allyltri(ethoxymethoxy)silane, butenyltrimethoxysilane, hexenyltrimethoxysilane, or hexaenyltriethoxysilane (claims 1 and 3). However, Nakamura et al. do not teach or fairly suggest the claimed modified silane compound.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reach on 571-272-1114.



LING-SUI CHOI
PRIMARY EXAMINER

November 30, 2005